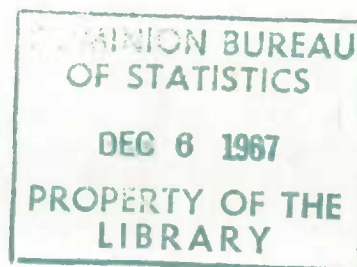


CATALOGUE No.

46-210

ANNUAL



PAINT AND VARNISH MANUFACTURERS

1965

ANNUAL CENSUS OF MANUFACTURES

Published by Authority of
The Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Manufacturing and Primary Industries Division

November 1967
6506-863

Price: 50 cents

PUBLICATIONS

In addition to the report on this industry, the DBS publishes annual statistics on a number of related industries and current statistics on the more important commodities. Copies of reports provided in the following list are available from the Publications Distribution, Dominion Bureau of Statistics, Ottawa or from the Queen's Printer, Hull, P.Q.

Catalogue number	Title	Periodicity	Price	
			Per copy	Per year
46-209	Manufacturers of Pharmaceuticals and Medicines	A	.50	
46-210	Paint and Varnish Manufacturers	A	.50	
46-211	Manufacturers of Plastics and Synthetic Resins	A	.50	
46-214	Manufacturers of Soap and Cleaning Compounds	A	.50	
46-215	Manufacturers of Toilet Preparations	A	.50	
46-216	Other Chemical Industries	A	.50	
46-217	Chemicals and Chemical Products Industries Preliminary Summary Statistics	A	.25	
46-218	Explosives and Ammunition Manufacturers	A	.25	
46-219	Manufacturers of Industrial Chemicals	A	.50	
46-220	Manufacturers of Mixed Fertilizers	A	.50	
31-001	Inventories, Shipments and Orders in Manufacturing Industries	M	.30	\$3.00
31-201	General Review of the Manufacturing Industries of Canada	A	\$2.00	
32-005	Margarine	M	.10	1.00
32-006	Oils and Fats	M	.10	1.00
32-205	Breweries	A	.50	
32-206	Distilleries	A	.50	
32-222	Sugar Refineries	A	.50	
33-202	Leather Tanneries	A	.50	
34-208	Synthetic Textile Mills	A	.50	
36-204	Pulp and Paper Mills	A	.50	
45-004	Refined Petroleum Products	M	.30	3.00
45-205	Petroleum Refineries	A	.50	
46-001	Sales of Paints, Varnishes and Lacquers	M	.10	1.00
46-002	Specified Chemicals	M	.10	1.00
46-003	Soaps and Synthetic Detergents	M	.10	1.00
46-207	Fertilizer Trade	A	.50	
46-212	Sales of Pest Control Products by Canadian Registrants	A	.25	
46-221	Sales of Toilet Preparations in Canada	A	.25	
46-502	Chemical Directory	O	1.50	
65-004	Exports by Commodities	M	.75	7.50
65-007	Imports by Commodities	M	.75	7.50
Special	Sulphuric Acid, Caustic Soda and Chlorine	A	.25	

A — Annual

O — Occasional

M — Monthly

Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Publications Distribution, Dominion Bureau of Statistics, Ottawa or to the Queen's Printer, Hull, P.Q.

PAINT AND VARNISH MANUFACTURERS

1965

For statistical purposes the industry titled Paint and Varnish Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing paints, varnishes, lacquers, enamels and shellac. This industry also includes establishments primarily engaged in manufacturing products such as putty, filler, oil stains and thinners.

Value of shipments and other revenue of the Paint and Varnish Manufacturers industry totalled \$210.4 million, an increase of \$13 million over 1964. This amount included shipments of paints and paint products valued at \$170.9 million, shipments of other products (secondary products) valued at \$22.7 million, and other revenue of \$16.8 million.

This industry's shipments of paints and paint products represented 88.5 per cent of its manufacturing revenue. Secondary products shipped in 1965 included patching materials, putties, resins, adhesives, etc.

The cost of materials and supplies, fuel and electricity, etc. (inputs) etc. used in the production of goods of own manufacture increased by \$4.7 million. Cost of inputs in 1965 represented 51.8 per cent of the value of total gross output, compared to 51.5 per cent in 1964.

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- p preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. Principal Statistics, 1961-65

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	136	3,088	6,134	11,839	1,050	75,039	152,228	76,844	19	80	7,591	34,668	78,837
1962													
Totals	142	3,057	6,263	12,270	1,073	79,713	160,462	80,640	21	83	7,525	35,326	83,017
1963													
Totals	145	3,033	6,328	12,710	1,091	85,967	171,752	85,300	20	80	7,511	36,618	87,906
1964													
Newfoundland	1	x	x	x	x	x	x	x	—	—	x	x	x
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	2	x	x	x	x	x	x	x	—	—	x	x	x
New Brunswick	—	—	—	—	—	—	—	—	—	—	—	—	—
Quebec	41	785	1,609	3,356	244	23,852	48,383	23,865	5	10	2,460	12,254	25,354
Ontario	75	1,772	3,776	8,087	733	55,244	106,183	52,475	15	47	3,975	20,687	53,423
Manitoba	6	141	294	487	45	4,583	8,012	3,536	—	—	301	1,316	3,979
Saskatchewan	2	x	x	x	x	x	x	x	—	—	x	x	x
Alberta	4	10	19	27	2	173	295	116	—	—	29	97	163
British Columbia	20	305	605	1,282	99	9,120	17,132	8,285	—	—	809	3,756	8,764
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	151	3,107	6,512	13,490	1,150	94,824	183,843	90,205	20	57	7,738	38,845	93,640
1965													
Newfoundland	1	x	x	x	x	x	x	x	—	—	x	x	x
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	2	x	x	x	x	x	x	x	—	—	x	x	x
New Brunswick	—	—	—	—	—	—	—	—	—	—	—	—	—
Quebec	39	800	1,664	3,379	249	24,096	49,142	24,980	6	10	2,509	12,631	26,618
Ontario	77	1,872	4,144	9,081	752	60,010	114,755	55,451	15	44	3,988	23,042	57,031
Manitoba	6	145	301	515	50	4,511	8,005	3,352	—	—	314	1,366	3,477
Saskatchewan	2	x	x	x	x	x	x	x	—	—	x	x	x
Alberta	4	16	29	38	4	184	364	180	—	—	33	98	204
British Columbia	19	317	664	1,491	104	8,857	17,569	8,183	—	—	811	4,255	8,431
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	150	3,244	7,010	14,869	1,190	99,523	193,561	93,998	21	55	7,824	42,180	97,647

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	7	1	2	2	—	22	37	14	5	6	3	4	14
\$ 10,000 to \$ 24,999	7	4	7	8	1	85	116	31	5	10	7	15	36
25,000 " 49,999	12	17	32	48	5	257	432	182	7	27	28	86	195
50,000 " 99,999	16	35	69	116	16	712	1,219	511	2	7	78	289	536
100,000 " 199,999	21	74	146	251	29	1,672	2,745	1,146	—	—	168	659	1,331
200,000 " 499,999	27	227	482	870	85	5,416	9,216	3,802	1	7	437	2,015	3,869
500,000 " 999,999	17	203	432	837	88	8,662	11,786	5,096	—	—	460	2,458	5,656
1,000,000 " 4,999,999	35	1,336	2,877	6,000	534	44,296	82,921	38,916	—	—	3,166	16,138	40,334
5,000,000 and over	9	1,210	2,465	5,359	393	35,701	75,371	40,506	—	—	2,482	11,950	41,219
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	909	5,232	450
Totals	151	3,107	6,512	13,490	1,150	94,824	183,843	90,205	20	57	7,738	38,845	93,640
1965													
Under \$10,000	8	—	—	—	—	22	44	23	6	7	3	3	23
\$ 10,000 to \$ 24,999	8	3	6	7	1	81	128	44	5	12	7	16	44
25,000 " 49,999	8	7	14	20	4	194	287	94	5	21	12	40	109
50,000 " 99,999	16	39	77	118	11	742	1,296	553	4	9	84	30	589
100,000 " 199,999	19	65	140	243	28	1,585	2,829	1,235	1	5	144	601	1,416
200,000 " 499,999	24	171	365	673	71	4,648	7,981	3,393	—	—	344	1,675	3,481
500,000 " 999,999	22	286	611	1,153	99	8,539	15,779	7,284	—	—	599	3,203	7,425
1,000,000 " 4,999,999	37	1,563	3,462	7,283	589	48,491	92,979	44,851	—	—	3,493	19,172	47,108
5,000,000 and over	8	1,110	2,335	5,372	387	35,220	72,238	36,522	—	—	2,230	11,882	36,863
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	908	5,293	591
Totals	150	3,244	7,010	14,869	1,190	99,523	193,561	93,998	21	55	7,824	42,180	97,647

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	17	10	18	21	1	178	249	68	13	25	15	30	73
\$ 10,000 to \$ 24,999	16	23	45	68	12	553	836	285	6	25	49	162	323
25,000 " 49,999	16	44	86	145	20	940	1,569	619	—	—	108	420	728
50,000 " 99,999	22	108	222	406	37	2,480	3,983	1,568	1	7	196	864	1,655
100,000 " 199,999	16	150	324	601	54	4,005	6,364	2,346	—	—	293	1,287	2,412
200,000 " 499,999	25	347	741	1,443	155	10,859	18,645	7,747	—	—	771	4,180	8,413
500,000 " 999,999	14	445	963	1,907	165	13,063	23,857	10,593	—	—	949	4,667	11,150
1,000,000 " 4,999,999	22	1,394	2,925	6,212	519	45,451	89,822	45,690	—	—	3,452	17,003	46,985
5,000,000 and over	3	586	1,189	2,687	187	17,284	38,519	21,289	—	—	996	5,001	21,451
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	909	5,232	450
Totals	151	3,107	6,512	13,490	1,150	94,824	183,843	90,205	20	57	7,738	38,845	93,640
1965													
Under \$10,000	19	5	10	12	2	188	279	92	13	25	13	25	92
\$ 10,000 to \$ 24,999	9	12	23	34	5	310	474	156	7	25	21	65	200
25,000 " 49,999	16	45	94	149	14	1,053	1,653	620	—	—	95	373	629
50,000 " 99,999	23	90	198	363	40	2,546	4,234	1,659	1	5	184	843	1,829
100,000 " 199,999	13	114	249	425	49	3,265	5,311	1,953	—	—	218	1,040	1,964
200,000 " 499,999	31	462	1,002	1,905	190	13,458	23,774	10,412	—	—	936	5,127	10,616
500,000 " 999,999	14	457	1,032	2,221	156	12,232	24,708	10,571	—	—	932	4,996	11,110
1,000,000 " 4,999,999	25	2,059	4,401	9,760	735	66,471	133,127	68,535	—	—	4,517	24,418	70,618
5,000,000 and over													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	908	5,293	591
Totals	150	3,244	7,010	14,869	1,190	99,523	193,561	93,998	21	55	7,824	42,180	97,647

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	17	10	18	21	1	179	249	68	13	25	15	30	73
\$ 10,000 to \$ 24,999	15	21	41	64	11	506	765	260	6	25	44	149	273
25,000 " 49,999	15	38	73	124	15	815	1,387	569	—	—	85	322	598
50,000 " 99,999	21	104	212	382	34	2,392	3,787	1,422	1	7	187	808	1,517
100,000 " 199,999	18	153	330	610	58	3,973	6,339	2,387	—	—	309	1,330	2,512
200,000 " 499,999	24	301	649	1,275	141	9,850	17,017	7,100	—	—	672	3,743	7,355
500,000 " 999,999	15	481	1,033	2,030	175	13,414	24,296	10,733	—	—	1,006	4,887	11,314
1,000,000 " 4,999,999	23	1,413	2,967	6,298	527	46,411	91,484	46,377	—	—	3,515	17,343	48,097
5,000,000 and over	3	586	1,189	2,687	187	17,284	38,519	21,289	—	—	996	5,001	21,451
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	909	5,232	450
Totals	151	3,107	6,512	13,490	1,150	94,824	183,843	90,205	20	57	7,738	38,845	93,640
1965													
Under \$10,000	19	5	10	12	2	188	279	92	13	25	13	25	92
\$ 10,000 to \$ 24,999	7	8	15	21	4	242	370	121	6	16	13	43	122
25,000 " 49,999	17	46	96	153	14	1,080	1,693	633	1	8	97	378	655
50,000 " 99,999	21	82	182	334	33	2,356	3,825	1,437	1	5	160	720	1,526
100,000 " 199,999	16	125	271	464	57	3,497	5,785	2,197	—	—	248	1,179	2,319
200,000 " 499,999	30	425	919	1,731	175	12,731	22,695	9,950	—	—	879	4,825	10,087
500,000 " 999,999	14	474	1,073	2,306	161	11,897	23,918	10,194	—	—	926	4,930	10,370
1,000,000 " 4,999,999	26	2,079	4,443	9,848	745	67,533	134,996	69,374	—	—	4,580	24,786	71,885
5,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	908	5,293	591
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	908	5,293	591
Totals	150	3,244	7,010	14,869	1,190	99,523	193,561	93,998	21	55	7,824	42,180	97,647

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under 5 employed	35	34	65	102	16	843	1,338	499	19	50	65	230	522
5 - 14 employed	43	193	391	703	78	5,045	8,701	3,772	1	7	382	1,710	3,948
15 - 49 "	36	467	1,009	1,952	199	13,847	24,483	10,420	—	—	982	5,029	10,682
50 - 99 "	12	363	783	1,621	147	12,565	23,187	10,673	—	—	810	4,141	11,839
100 - 199 "	18	1,009	2,176	4,461	389	33,686	64,763	31,167	—	—	2,367	11,883	32,030
200 - 499 "	7	1,041	2,088	4,652	321	28,838	61,371	33,654	—	—	2,223	10,621	34,168
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	909	5,232	450
Totals	151	3,107	6,512	13,490	1,150	94,824	183,843	90,205	20	57	7,738	38,845	93,640
1965													
Under 5 employed	34	22	42	62	12	848	1,439	601	20	50	54	192	626
5 - 14 employed	40	172	375	696	81	4,867	8,272	3,398	1	5	336	1,586	3,668
15 - 49 "	39	535	1,150	2,155	212	15,378	28,542	13,023	—	—	1,109	5,852	13,128
50 - 99 "	11	358	776	1,577	128	10,558	18,304	7,792	—	—	749	4,119	8,423
100 - 199 "	19	1,130	2,510	5,395	432	35,863	72,295	37,104	—	—	2,504	13,690	38,807
200 - 499 "	7	1,027	2,157	4,984	325	32,009	64,710	32,080	—	—	2,164	11,449	32,405
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	908	5,293	591
Totals	150	3,244	7,010	14,869	1,190	99,523	193,561	93,998	21	55	7,824	42,180	97,647

TABLE 6. Principal Statistics classified by Type of Organization, 1964 and 1965

Type of organization	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1964													
Individual ownerships	18	21	44	72	6	426	665	240	20	57	30	103	254
Partnerships													
Incorporated companies	133	3,086	6,469	13,419	1,144	94,398	183,178	89,966	-	-	6,799	33,511	92,937
Co-operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	909	5,232	450
Totals	151	3,107	6,512	13,490	1,150	94,824	183,843	90,205	20	57	7,738	38,845	93,640
1965													
Individual ownerships	13	10	25	40	4	269	392	120	13	36	15	58	133
Partnerships	4	2	4	4	1	138	196	58	8	17	2	4	58
Incorporated companies	133	3,232	6,982	14,825	1,186	99,118	192,973	93,820	-	-	6,899	36,825	96,865
Co-operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	908	5,293	591
Totals	150	3,244	7,010	14,869	1,190	99,523	193,561	93,998	21	55	7,824	42,180	97,647

TABLE 7. Calculation of Output, Input and Value Added, 1964 and 1965

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
\$'000						
Output						
1. Shipments and other revenue	183,843	193,561	13,467	16,828	197,310	210,389
Inventories— Goods of own manufacture:						
Add closing— Goods in process	2,759	2,660	...	...	2,759	2,660
Finished goods	19,248	20,503	...	...	19,248	20,503
Deduct opening— Goods in process	2,216	2,751	...	...	2,216	2,751
Finished goods	17,456	19,261	...	...	17,456	19,261
2. Net inventory change	2,335	1,151	...	...	2,335	1,151
3. Gross output (1 + 2)	186,178	194,712	13,467	16,828	199,645	211,540
Input						
4. Purchases of goods not of own manufacture .....	...	...	9,522	12,245	9,522	12,245
Inventories— Goods not of own manufacture:						
Add opening .....	...	...	2,831	3,343	2,831	3,343
Deduct closing .....	...	...	3,329	3,585	3,329	3,585
5. Cost of goods sold (not of own manufacture) .....	...	...	9,024	12,003	9,024	12,003
6. Materials, supplies, etc.	94,824	99,523	1,008	1,175	95,832	100,698
7. Fuel and electricity	1,150	1,190	...	...	1,150	1,190
8. Gross input (5 + 6 + 7)	95,974	100,713	10,032	13,178	106,006	113,891
Value added (3 - 8)	90,205	93,998	3,435	3,650	93,640	97,647

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Admin- istra- tive and office	Sales and distri- bution	Total
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
number										\$'000					
1964															
Newfoundland	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	714	71	18	2	495	295	787	78	2,014	446	3,256	83	4,176	4,739	12,254
Ontario	1,689	83	35	2	810	465	816	75	3,350	625	8,087	170	7,075	5,354	20,687
Manitoba	121	20	-	-	17	49	32	2	230	71	487	-	625	204	1,316
Saskatchewan	x	-	-	-	x	x	x	x	x	x	x	-	x	x	x
Alberta	10	-	-	-	9	4	6	-	25	4	27	-	57	13	97
British Columbia	260	45	-	-	138	92	246	28	644	165	1,282	-	1,319	1,156	3,756
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2,877	230	53	4	1,561	926	1,902	185	6,393	1,345	13,490	253	13,529	11,573	38,845
1965															
Newfoundland	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	725	75	8	2	510	302	806	81	2,049	460	3,379	58	4,431	4,763	12,631
Ontario	1,773	99	12	-	775	438	798	93	3,358	630	9,081	56	7,800	6,105	23,042
Manitoba	121	24	-	-	54	45	62	8	237	77	515	-	495	356	1,366
Saskatchewan	x	-	-	-	x	x	x	-	x	x	x	-	x	x	x
Alberta	16	-	-	-	9	3	5	-	30	3	38	-	39	21	98
British Columbia	269	48	-	-	124	88	239	43	632	179	1,491	-	1,590	1,174	4,255
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2,985	259	20	2	1,503	897	1,929	229	6,437	1,387	14,869	114	14,658	12,539	42,180

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1964 and 1965

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	2,632	206	2,658	215
February	2,753	230	2,731	238
March	2,830	235	2,855	250
April	2,800	239	2,912	256
May	2,845	236	3,040	262
June	2,868	228	3,130	273
July	2,847	217	3,090	272
August	2,781	215	2,992	267
September	2,661	223	2,769	248
October	2,659	217	2,758	235
November	2,670	224	2,713	222
December	2,638	205	2,678	219
Averages	2,761	222	2,872	248
Establishments reporting annual averages (small establishments only)	116	8	113	11
Average for all establishments	2,877	230	2,985	259

TABLE 10. Inventories,¹ 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	x	x	x	x	x	x
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	x	x	x	x	x	x
New Brunswick	—	—	—	—	—	—
Quebec	2,750	238	3,476	6,464	1,469	7,933
Ontario	7,082	2,197	15,517	24,796	775	25,571
Manitoba	625	37	780	1,442	329	1,771
Saskatchewan	x	x	x	x	x	x
Alberta	74	—	27	101	24	126
British Columbia	1,295	261	2,643	4,199	717	4,916
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	12,379	2,751	23,039	38,169	3,343	41,512
Closing:						
Newfoundland	x	x	x	x	x	x
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	x	x	x	x	x	x
New Brunswick	—	—	—	—	—	—
Quebec	3,100	272	3,625	6,997	1,787	8,784
Ontario	9,079	2,112	18,091	29,282	976	30,258
Manitoba	674	34	690	1,399	329	1,727
Saskatchewan	x	x	x	x	x	x
Alberta	57	—	31	88	35	123
British Columbia	1,262	216	2,263	3,741	429	4,170
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	14,664	2,660	25,311	42,635	3,585	46,220

TABLE 11. Purchased Fuel and Electricity Used, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	329	298	5
(b) Imported	"	2,257	100	2
Sub-bituminous coal (from Alberta mines only)	"	—	—	—
Anthracite coal	"	—	—	—
Lignite coal	"	22	18	—
Coke	"	270	337	8
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	302,963	308	121
Fuel oil including kerosene or coal oil	"	3,382,757	3,579,511	372
Wood	cord	5	5	—
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	8,579	8,014	3
(b) Other manufactured gas	M cu. ft.	—	2,926	3
(c) Natural gas	"	112,563	120,455	114
Other fuel .....		...	...	5
Electricity purchased	kwh.	35,139,747	37,145,208	486
Steam purchased .....		...	...	29
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....		...	...	43
3. All establishments:				
Total fuel and electricity used		1,150	...	1,190

¹ The differences between figures in Table 10 and those in Table 7 arise from firms reporting output of products on the basis of production rather than shipments. Consequently, inventories of finished products for such respondents are not taken into account for purposes of compiling value added in Table 7. See also "Concepts and Definitions" for explanation of other variances.

TABLE 12. Materials and Supplies -- Manufacturing Activity, 1965¹

Description	1965	
	Quantity	Cost
	lbs.	\$'000
1. Materials used:		
Prime pigments:		
Lead:		
Basic white lead carbonate, dry	813,604	152
Basic white lead silicate	760,515	175
Calcium plumbate	21,401	6
Red lead:		
95/96% Pb ₃ O ₄	889,495	174
97/98% Pb ₃ O ₄	444,490	89
Litharge	161,575	33
Other lead pigments	222,017	63
Whites:		
Antimony oxide and antimony oxide type	37,179	18
Lithopones	387,299	35
Titanium dioxide pure	45,767,219	11,664
Titanium dioxide extended	16,385,985	1,882
Zinc oxide, leaded	77,261	14
Zinc oxide, lead-free	3,529,768	605
Other white pigments	947,785	52
Blacks:		
Carbon black	532,931	179
Lamp black	135,233	40
Other black pigments (do not include iron oxide blacks)	84,955	34
Yellows and oranges -- Inorganic:		
Cadmium yellow toner (chemically pure)	4,496	9
Cadmium lithopone yellow	6,764	13
Cadmium orange toner (chemically pure)	879	2
Cadmium lithopone orange	512	1
Mercury-cadmium orange	4,165	2
Chrome yellow:		
Primrose	227,865	93
Lemon	489,435	194
Medium	888,995	359
Chrome orange	163,886	61
Molybdate orange	754,947	360
Nickel titanium yellow	22,412	2
Strontium chromate	71,707	40
Zinc chromate	837,290	254
Zinc chromate, basic (zinc tetroxy chromate)	68,762	21
Other inorganic yellow and orange pigments	136,210	56
Yellow and oranges -- Organic (including lakes and toners):		
Benzidines	11,307	19
Hansa yellow:		
G	31,969	46
10G	13,264	28
Quinacridones	1,210	1
Vat yellows (flavanthrone, anthrapyrimidine, GR, etc.)	6,199	79
Other organic yellow and orange pigments	68,608	130
Blues and violets -- Inorganic:		
Cobalt blue	261	--
Iron blues (Milor - Chinese - Prussian)	120,126	72
Mineral violet	611	4
Ultramarine blue	62,697	24
Other inorganic blue and violet pigments	14,078	65
Blues and violets -- Organic (includes lakes and toners):		
Carbazone violets	1,966	3
Indanthrone blues (vats)	4,627	30
Phthalocyanine blues	102,173	316
Quinacridone violets	7,659	90
Other organic blue and violet pigments	28,123	166
Greens -- Inorganic and organic (including lakes and toners):		
Chrome green	540,674	250
Chromium oxide and hydrated chromium oxide greens	106,391	60
Phthalocyanine green	118,999	378
Pigment green B	829	2
Other organic and inorganic green pigments	13,948	17
Reds and maroons -- Inorganic:		
Cadmium red toner (chemically pure)	41,785	118
Cadmium lithopone red	18,564	56
Mercury - Cadmium red	3,888	9
Other inorganic red and maroon pigments	102,443	63
Reds and maroons -- Organic (including lakes and toners):		
B.O.N. maroon	55,255	149
Chlorinated para reds	6,520	8
Lithol red	12,154	12
Lithol rubine	4,394	7
Madderred	69,059	12
Naphthol red	4,319	9
Para reds	18,900	20
Perylene and other vats	4,762	47
Quinacridone red	7,124	77
Red 2 B	1,527	4
Teluidine red	355,738	434
Other organic red and maroon pigments	161,072	930
All other flushed colours	107,469	90

See footnote at end of table.

TABLE 12. Materials and Supplies - Manufacturing Activity, 1965¹ - Continued

Description	1965	
	Quantity	Cost
	lbs.	\$'000
1. Materials used - Continued:		
Prime pigments - Concluded:		
Aqueous dispersions:		
Hansa yellow	49,375	29
Iron oxides	265,248	59
Phthalocyanine blue	10,542	14
Phthalocyanine green	19,140	30
Toluidine red	3,017	3
Other aqueous dispersions	26,121	19
All other pigment dispersions	247,131	214
Metallics:		
Aluminum pastes	1,175,266	621
Aluminum powders	63,551	46
Bronze powders	13,769	17
Copper powders	27,744	24
Other metallic flakes	946,366	29
Iron oxides (including hydrated yellows and blacks):		
Synthetic iron oxides	2,669,013	357
Natural iron oxides	1,260,737	134
Ochres, siennas and umbers	499,933	83
Extenders:		
Calcium carbonate:		
Precipitated	5,941,235	187
Natural (whiting, chalk, limestone; dry and water	42,384,819	987
Magnesium silicates (talcs)	15,483,382	610
Barytes - Natural	4,804,901	236
Diatomaceous earths	1,906,305	140
Kaolin (calcined clays and other clays)	6,442,236	325
Mica, dry and water ground	1,712,211	124
Silicas, ground	4,185,049	227
Other extender pigments	7,369,894	356
Miscellaneous:		
Cuprous oxide	162,569	103
Fluorescent pigments	2,571	3
Zinc dust	1,150,201	157
Other miscellaneous pigments	3,661,677	100
Resins, polymers and rosin derivatives:		
Solvent-phase - Resins:		
Acrylic solution-type resins, lacquer:		
Purchased	236,867	119
Transfers from other plants of this company	28,600	33
Acrylic solution-type resins, thermosetting:		
Purchased	166,540	81
Transfers from other plants of this company	698,002	217
Alkyds, drying, pure (incl. oil-modified):		
Purchased	22,773,104	4,192
Transfers from other plants of this company	7,824,085	1,464
Alkyds, non-drying, pure (incl. oil-modified):		
Purchased	1,165,186	269
Transfers from other plants of this company	1,436,008	276
Alkyds, rosin modified:		
Purchased	542,890	158
Transfers from other plants of this company	68,693	24
Alkyds, vinyl monomer modified (includes acrylic, styrene and vinyl monomer modifications):		
Purchased	1,413,046	370
Transfers from other plants of this company	115,048	29
Alkyds, other:		
Purchased	4,191,552	831
Transfers from other plants of this company	233,532	43
Chlorinated rubber	512,614	312
Coumarone-indene resins	428,654	102
Epoxy resins	2,454,705	1,459
Epoxy ester resins:		
Purchased	914,023	292
Transfers from other plants of this company	692,991	207
Hydrocarbon resins	731,765	124
Maleic resins:		
Purchased	907,200	194
Transfers from other plants of this company	153,333	22
Phenolic resins, pure	944,850	380
Polyurethane resins, oil - Modified:		
Purchased	1,049,956	427
Transfers from other plants of this company	66,040	16
Polyurethane resins:		
Moisture curable	610,340	197
Two-pack systems	17,182	11
Silicone resins	70,673	118
Urea and melamine formaldehyde resins:		
Purchased	2,337,969	910
Transfers from other plants of this company	397,001	111
Vinyl (formal and butyral) acetal resins	301,319	123
Vinyl-acetate solution-type copolymer resins	904,537	274
Vinyl-chloride copolymer resins	664,296	266
Other solvent-phase resins	796,209	300

See footnote at end of table.

TABLE 12. Materials and Supplies -- Manufacturing Activity, 1965* -- Continued

Description	1965	
	Quantity	Cost
	lbs.	\$'000
I. Materials used -- Continued:		
Resins, polymers and resin derivatives -- Concluded:		
Solvent-phase -- Cellulosics:		
Cellulose acetate and acetate butyrate	232,786	90
Ethyl cellulose	12,984	12
Nitrocellulose (cellulose nitrate)	3,215,866	1,418
Other solvent-phase cellulosics (do not include C.M.C., etc.)	19,315	10
Solvent-phase -- Rosin derivatives:		
Maleic, fumaric (diene adduct) rosins:		
Purchased	169,023	43
Transfers from other plants of this company	33,725	9
Rosins, esterified (ester gums):		
Purchased	619,538	143
Transfers from other plants of this company	2,402	--
Rosins, unesterified	892,324	140
Rosins, modified phenolics:		
Purchased	379,104	119
Transfers from other plants of this company	31,626	7
Other solvent-phase rosin derivatives	229,710	56
Water reducible:		
Acrylic polymer and copolymer emulsions:		
Purchased	6,081,164	1,454
Transfers from other plants of this company	145,600	51
Casein	1,358,712	143
Polyvinyl acetate, homopolymer emulsions:		
Purchased	1,658,281	346
Transfers from other plants of this company	--	--
Polyvinyl acetate, copolymer emulsions:		
Purchased	3,170,102	747
Transfers from other plants of this company	60,093	12
Polyvinyl chloride emulsions:		
Purchased	1,481	--
Transfers from other plants of this company	--	--
Styrene-butadiene emulsions	3,768,571	768
Other water reducible types	156,826	36
Water-soluble:		
Water-soluble oil and alkyd types:		
Purchased	53,499	27
Transfers from other plants of this company	1,307,000	141
Other water-soluble types	80,618	57
Oils and fatty acids:		
Oils:		
Castor oil:		
Raw	560,910	94
Dehydrated	759,243	205
Chinawood (tung) oil	1,725,494	501
Cocconut oil	1,368,693	292
Linseed oil:		
Raw	6,338,187	1,035
Boiled	1,080,361	176
Acid refined	243,581	50
Alkali refined	7,207,033	1,113
Heat bodied	2,658,200	515
Blown (air bodied)	1,180,244	176
Safflower oil alkali refined	343,997	64
Soya bean oil:		
Alkali refined	12,688,935	1,727
Blown	914,194	158
Other oils	1,326,141	260
Fatty acids:		
Cocconut and hydrogenated cocconut oil fatty acid	458,282	120
Linseed oil fatty acid	431,543	90
Soya bean oil fatty acid	1,001,328	192
Tall oil:		
(Rosin content less than 5%)	2,405,706	262
(Rosin content 5% and over)	1,038,358	132
Other fatty acids	622,936	149
Solvents and diluents:		
Aliphatic hydrocarbons:		
Mineral spirits:		
Regular	39,405,750	1,267
Low odour	9,730,454	845
Odourless	7,564,228	418
Heavy (kerosene, coal-oil, etc.)	1,915,333	81
Naphtha:		
Lacquer diluent	3,231,659	133
Rubber solvent	1,488,473	57
V.M. and P.	9,427,064	305
Other aliphatic hydrocarbons	3,020,945	140

See footnote at end of table.

TABLE 12. Materials and Supplies - Manufacturing Activity, 1965¹ - Continued

Description	1965	
	Quantity	Cost
	lbs.	\$'000
1. Materials used - Continued:		
Solvents and diluents - Continued:		
Aromatic and naphthenic hydrocarbons:		
Benzene	978,429	49
Toluene	21,991,154	907
Xylene	28,375,582	1,239
Naphtha, high flash:		
(100° min.) K.B. 50-75; K.B. 75-100	3,049,918	153
(140° min.) K.B. 50-75; K.B. 75-100	2,863,471	108
Heavy aromatic and semi-aromatic oils	141,248	11
Other aromatic and naphthenic hydrocarbons	5,296,707	263
Terpenic hydrocarbons:		
Pine oil	112,415	19
Turpentine	1,921,209	169
Other terpenic hydrocarbons	70,307	8
Alcohols (monohydric):		
Methyl alcohol	887,934	105
Ethyl alcohol (including all denatured grades)	2,502,729	237
Propyl alcohols (n and iso)	2,603,993	219
N - butyl alcohol	3,241,082	461
Is - butyl alcohol	187,429	34
Sec. and tert. butyl alcohols	167,154	25
Other monohydric alcohols	2,090,602	325
Glycols and derivatives:		
Ethylene glycol	1,501,200	254
Di-ethylene glycol	197,453	36
Propylene glycol	971,489	144
Di-propylene glycol	277,083	41
Hexylene glycol	356,563	70
Ethylene glycol mono-ethers (methyl, ethyl, butyl)	666,326	170
Di-ethylene glycol mono-ethers (methyl, ethyl, butyl)	221,805	63
Other glycols and derivatives	365,860	85
Ketones and esters:		
Acetone (di-methyl ketone)	1,486,845	144
Methyl ethyl ketone (M.E.K.)	1,803,540	252
Methyl isobutyl ketone (M.I.B.K.)	2,716,959	438
Isophorone	576,267	142
Ethyl acetate	1,482,655	174
Isopropyl acetate	1,219,632	154
Normal propyl acetate	1,119,522	156
Normal butyl acetate	1,889,707	325
Methyl amyl acetate	364,025	65
Glycol ether acetates	340,078	80
Other ketones and esters	4,950,459	701
Chlorinated solvents:		
Methylene chloride	1,739,343	248
Tri-chloro ethylene	94,995	13
Other chlorinated solvents	24,361	5
All other solvents and diluents	10,565,924	500
Additives:		
Anti-skinning agents:		
Butyraldoxime	83,052	91
Methyl ethyl ketoxime	239,086	202
Other anti-skinning agents	75,963	59
Bodilyng agents - Solvent systems:		
Aluminum stearates	160,909	64
Zinc stearates	79,927	37
Others (calcium stearates, brand-name, bodilyng agents, etc.)	464,249	325
Bodilyng agents - Water systems:		
Carboxymethyl cellulose (C.M.C.)	63,825	52
Hydroxyethyl cellulose	184,357	162
Methyl cellulose	108,215	107
Others (brand name bodilyng agents, etc.)	111,362	44
Catalysts:		
Amines	210,624	137
Boron trifluoride and derivatives	5,762	3
Butyl acid phosphate and derivatives	13,994	8
Para toluene sulphonc acid and derivatives	4,909	2
Polyamides	120,907	85
Sodium and potassium hydroxide	255,873	17
Tetrachlorophthalic anhydride	82,400	36
Other catalysts (do not include litharge)	89,011	96
Dispersing and mixing aids:		
Soya lecithin	578,457	106
Other dispersing and mixing aids	352,432	119
Driers:		
Calcium soaps (naphthenates, octoates, linoleates, tallates)	724,607	182
Cerium soaps (naphthenates, octoates, linoleates, tallates)	9,723	6
Cobalt soaps (naphthenates, octoates, linoleates, tallates)	585,725	246
Lead soaps (naphthenates, octoates, linoleates, tallates)	1,027,306	205
Manganese soaps (naphthenates, octoates, linoleates, tallates)	231,517	78
Zirconium soaps (naphthenates, octoates, linoleates, tallates)	188,274	100
Other driers	255,845	95

See footnote at end of table.

TABLE 12. Materials and Supplies - Manufacturing Activity, 1965¹ - Concluded

Description	1965	
	Quantity	Cost
	lbs.	\$'000
1. Materials used - Concluded:		
Additives - Concluded:		
Fungicides, germicides and mildewcides:		
Phenols, halogenated phenols and their alkali metal salts	150,288	89
Phenyl mercuric acetate	26,703	60
Phenyl mercuric oleate	28,802	40
Other fungicide, germicide and mildewcide agents	158,526	135
Surface active agents:		
Silicone oils	16,184	34
Other surfactants	542,724	188
All other additives	364,741	236
Other chemicals:		
Intermediates:		
Acrylamide	33,850	22
Acrylic acid	20,031	8
Methacrylic acid	56,599	22
Methyl acrylate	149	--
Ethyl acrylate	364,160	117
Butyl acrylate	141,445	35
2 Ethyl hexyl acrylate	1,947,698	594
Methyl methacrylate	332,572	99
Butyl methacrylate	131,167	56
Benzoic acid	128,663	33
Para-tert butyl benzoic acid	141,993	57
2 Ethyl hexoic acid	78,653	31
Dibutyl phthalate	216,962	54
Diocetyl and di-iso-octyl phthalates	292,497	62
Other phthalate plasticizers	169,721	58
Formaldehyde (report on 100% strength basis)	225,548	16
Para-formaldehyde	216,096	23
"Formcel" (methyl, butyl, propyl)	1,951,415	287
Intermediates:		
Glycerol (glycerine)	2,847,782	746
Melamine	682,632	203
Maleic anhydride and fumaric acid	1,085,575	162
Phthalic anhydride	12,926,977	1,427
Iso-phthalic acid	608,335	113
Organic phosphates (tri-butyl, tri-cresyl, tri-phenyl, etc.)	52,051	20
Pentaerythritol, mono (pure)	1,676,898	452
Pentaerythritol, technical	2,038,156	520
Pentaerythritol, di-	6,025	3
Styrene	2,116,862	243
Trimethylol ethane and propane	1,164,393	407
Urea	354,108	17
Vinyl acetate monomer	1,930,882	265
Vinyl chloride monomer		
Vinyl toluene	495,280	85
Other intermediates	884,085	344
Miscellaneous:		
Asphalt and coal tar pitch	dw 6,604,470	221
Chlorinated paraffins	" 320,331	70
Natural resins (manila, dammar, copal, etc.)	" 301,619	35
Shellac, bleached	" 996,632	284
Shellac, orange and other	" 103,709	39
Waxes	" 365,652	91
Other miscellaneous resins and polymers	" 1,159,196	250
All other materials and components used ²	"	8,605
2. Containers and other packaging materials and supplies used .....	..	12,739
3. Operating, maintenance and repair supplies used (excluding fuel) .....	..	2,038
4. Amount paid out to others for work done on materials owned by establishments .....	..	333
Totals .....	...	99,523

¹ Breakdown shown for 1965 not available for 1964 because of a change in reporting procedure.

² No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$2,504,557 in 1964 and \$2,873,754 in 1965.

Note: "dw" stands for "dry weight". All resins, polymers and resin derivatives are to be reported on dry weight basis, i.e. on a 100% solids or solvent-excluded basis.

TABLE 13. Shipments of Goods of Own Manufacture, 1964 and 1965

Description	1964		1965	
	Quantity	Value	Quantity	Value
		\$'000		\$'000
1. Products:				
Paste paints (not including water-paste paints)	lb.	850,662	1,252	1,117,729
Semi-paste paints (not including water-thinned type)	Imp. gal.	252,377	1,301	146,355
Ready mixed paints and enamels:				
Exterior type	"	13,242,467	54,564	13,138,016
Interior type	"	12,999,021	55,730	15,875,322
Water-thinned paints and enamels:				
Latex base emulsion paints	"	5,989,677	23,412	6,021,563
Resin and other bases emulsion paints (paste and semi-paste)	"	271,324	993	281,397
Casein and other protein bound, glue bound:				
Dry	lb.	1,043,640	120	1
Calcimines	"	798,109	112	1
Lime and cement bound	"	1	1	1
Other water-thinned paints		553	1,347,645	221
Lacquers:			1,665,707	605
Cellulose types	Imp. gal.	2,652,922	8,941	2,881,958
Non-cellulose types	"	267,175	1,123	212,161
Stains (including varnish stains)	"	587,991	1,512	502,381
Thinners and reducers	"	3,802,250	5,656	4,112,294
Varnishes (for interior and exterior use including shellac varnish, natural and synthetic resin base varnishes, japans, etc. but excluding next item)	"	2,464,593	8,885	2,187,610
Insulating varnishes, electrical types	"	53,607	136	75,605
Colours in oil (except white lead)	"	38,688	309	98,495
Floor wax	"	30,241	63	50,313
Paint and varnish removers	"	143,912	465	156,561
Patching materials:				
For walls (including joint filler and cement)	lb.	17,938,130	1,212	10,861,224
For floors	"	880,741	212	1,056,973
Wood and metal sash putties	"	10,102,406	2,501	11,380,462
Wall size and other sizing materials	"	49,971	32	100,097
All other products		16,352	..	16,359
2. Amount received in payment for work done on materials and products owned by others .....	..	1	..	90
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	..	(1,593)	..	(2,033)
Net adjustment for establishments receiving progress payments	—	—	—	—
Total adjusted value of shipments and work done .....	...	183,843	...	193,561

¹ Included in "Other water-thinned paints".

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)
A. Paints and Varnishes, 1960-65

Year	Value
	\$'000
1960	140,160
1961	145,062
1962	151,813
1963	162,945
1964	171,443 ¹
1965	179,008

Note: The totals for factory shipments include thinners, paint and varnish removers, ready-mixed paints, paste and semi-paste paints, water thinned paints, varnishes and shellacs, lacquers and stains.

B. Putty, 1955-65

Year	Quantity	Value
	M lb.	\$'000
1955	11,768	836
1956	12,581	1,007
1957	12,633	1,094
1958	16,207	1,621
1959	12,137	1,468
1960	13,778	1,679
1961	12,999	1,811
1962	13,806	2,054
1963	13,460	2,322
1964	14,639	2,944
1965	15,331	3,322

List of Establishments classified to this Industry, 1965

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
Newfoundland	
Standard Mfg. Co. Ltd., The	St. John's
Nova Scotia:	
Canadian Industries Limited	Halifax
Tibbets Paints Ltd.	Trenton
Quebec	
Acme Industries Co.	6706 Boyer, Montreal
Canadian Industries Limited	6930 Clanranald Ave., Montreal
Canadian Pittsburgh Industries Ltd.	2740 St. Patrick St., Montreal
Charters Chemical Ltd.	4328 St. Lawrence Blvd., Montreal
Chateau Paint Works Inc.	6833 Ave. du Parc, Montreal
Crown Diamond Paint Co. Ltd., The	41 Bates Rd., Outremont
Continental Paint and Varnish Works Ltd.	5069 Vaillant St., Montreal
Denalt Chemical Ind., Ltd.	Port Maurice
Dixie Paint and Chemical Co. Ltd.	338 Notre Dame St. E., Montreal
Ferox Coatings Inc.	7920-16th Ave., St-Michel
Glidden Co. Ltd., The	133 Elmslie St., LaSalle
H.F. Chemicals and Paint Mfg.	101 St. Agathe Lane, Montreal
Industrie Pépin Ltée	Cowansville R R # 1
International Lacquer Products Ltd.	6935 Park Ave., Montreal
International Paints (Canada) Ltd.	6700 Park Ave., Montreal
Jamieson, W.B., Paint Co.	9426 A Blvd. Gouin E., Rivière des Prairies
Joliet Paint Reg'd	7035 Notre Dame St., Montreal
La Cle des Peintures et Vernis Modèle	Jacques-Cartier
Lacquer Products, Co. Limited	Sydemar Ave., Granby
Moore, Benjamin and Co. Ltd.	9393 St-Michel Blvd., St-Michel
Mount Royal Paints Ltd.	5669 Casgrain St., Montreal
Norlantic Paint Co. Ltd.	Ste-Rose-de-Laval
O'Neill Paints Inc.	2691 Charlemagne, Montreal
P.V.R. Company Ltd.	2625 Albert St.-No 336-Montreal
Peinture Bertrand Paints Inc.	Ste. Therese
Peinture Nationale Ltée	Duburger
Peinture Zenith Inc.	1884 Darling, Montreal
Peintures Alpine Paints Inc.	8000-56ième Ave., Rivière-des-Prairies, Montréal
Protective Coatings Ltd.	1080 Pratt Ave., Outremont
R.S. Chemicals Co.	56 Willowdale St., Montreal
Reardon Company Limited, The	8855 Crescent Two, Ville d'Anjou
Reliance Universal of Canada Ltd.	Daveluyville
Swan-Williams Co. of Canada Ltd., The	2875 Centre St., Montreal
Sico Inc.	Giffard
Simon Chemical Co. Ltd.	366 LeMoine St., Montreal
Style Paint Co. Ltd.	St-Pierre-de-Sorel
Uni Chem Products Mfg. Co. Ltd.	Chomedy
Walsh, Robert Co. Ltd.	514 Baldwin, Montreal
Wesco Paints Ltd.	2100 St. Patrick St., Montreal
Ontario:	
Acme Paint and Varnish Co., Ltd.	120-24th St., Long Branch
Allied Specialty Mfg. Co. Ltd.	11 Carson St., Toronto
Alma Paint and Varnish Co. Ltd.	London
Amercoat of Canada Ltd.	Fort Erie
Armour Products	Windsor
Barn Satin Paint Co., Ltd.	R.R. No. 1, Corbyville
Brampton Paint Co. Ltd., The	Brampton
British Paints (Canada) Ltd.	Oakville
Burnett and Son Luminous Products	35 Ferncroft Dr., Scarborough
Canada Varnish Limited	53 Laird Drive, Leaside
Canadian Industries Limited	Foot of Loughton Ave., Toronto
Canadian Industries Limited	1300 Castlefield Ave., Toronto
Canadian Pittsburgh Industries Ltd.	3730 Lake Shore Blvd. W., Long Branch
Cosmos Chemlac Co. Ltd.	Windsor
Curtis Plastord Products Ltd.	Port Hope
Decor Paint and Chemical Co. Ltd.	169 City View Drive, Rexdale
Docco Mfg. Co. Reg'd	Concord
Dontar Construction Materials Ltd.	Willowdale
Dumar Paint Chemicals Ltd.	Paris
Dupli-Color Canada Ltd.	31 Laburnham Ave., Toronto
Dupont of Canada Ltd.	59 Underwriters Rd., Scarborough
Dupont of Canada Ltd.	Ajax
Everguard Coatings International Ltd.	2-20 Morse St., Toronto
Glidden Co. Ltd., The	Niagara Falls
Goudey, John E., Manufacturing Ltd.	351 Wallace Ave., Toronto
Hamilton Paint and Varnish Works Ltd.	21 Primrose Ave., Toronto
Hannan Varnish Co. Ltd.	65 Biggar Ave., Hamilton
Heaman Paint Company Ltd.	Glen Morris
Industrial Lacquer Specialities Ltd.	159 Mulock Ave., Toronto
Interchem Canada Limited (Aulcraft Finishes Div.)	108 Toryork Drive, Weston
Iroquois Chemicals Ltd.	303 Campbell Ave., Toronto
MacDonald and White Varnish & Paint Co. Ltd.	Second St. W., Cornwall
Macnaughton Brooks Ltd. and Macnaughton Brooks Products Limited	Windsor
Masse Manufacturing Co. Ltd.	3637 Weston Road, Weston
Master Paint and Varnish Co. (Hamilton) Ltd.	264 Macdonell Ave., Toronto
Maurice Paint Co. Ltd.	33 Princess St., Hamilton
Mercury Varnish Co. Ltd.	170 Toryork Drive, Weston
	St. Catharines

List of Establishments classified to this Industry - Concluded

Name	Location
Ontario - Concluded:	
Mitchel Colour and Chemical Company Ltd.	336 Birchmount Rd., Scarborough
Moore Benjamin and Co. Ltd.	6 Lloyd Ave., Toronto
National Paint Products	57 Rutherford Ave., Toronto
Niagara Paint and Chemical Co. Ltd.	2 Hillyard St., Hamilton
Northern Paint and Varnish Co. Ltd., The	Owen Sound
Ocean Chemicals (Canada) Ltd.	98 Crockford Blvd., Scarborough
O.P.W. Paint Co.,	West Hill
O.P.W. Paint Co.,	687 Wellington St., Ottawa
Paralac Paint Mfg. Co.	3775 Dundas St. W., Toronto
Para Paint Ltd.	25 Racine Rd., Rexdale
Parrot Paint Co.	Oshawa
Penfound Varnish Company Limited	30 Bethridge Rd., Rexdale
Perma Grip Co. Limited	1101 Finch Ave. W., Downs View
Pfeiffer Paint Co. Ltd.	Kitchener
Phillips Paint Industries Ltd.	122 Manville Rd., Scarborough
Pierce and Stevens Canada Ltd.	Fort Erie
Pratt and Lambert Inc.	Fort Erie
Protex Paint and Varnish Co.	140-16th St., New Toronto
Research Products and Chemicals	R.R. No 3, Waldemar
Rex Paint and Varnish Co., Ltd.	29 Station St., S. Weston
Rinshed-Mason Co. of Canada Ltd.	Windsor
Roxalin of Canada Limited	188 New Toronto St., Toronto
Scarfe and Company Limited	Brantford
Selectone Paints Ltd.	39 Gail Grove, Weston
Shamrock Paint and Varnish Works	King
Sherwin-Williams Co. of Canada Ltd., The	263 Sorauren Ave., Toronto
Smith, John, Manufacturing Company	Brantford
Spence, W.R., Industries Ltd.	85 Vulcan St., Rexdale
Starlac Company	21 Raleigh Ave., Scarborough
Sterling Varnish Co. of Canada Ltd., The	St. Catharines
Sturgeons Limited	9 Sturgeon Rd., Scarborough
Technical Surfaces Ltd.	204 Torvork Dr., Weston
Tone-Craft Paints Ltd.	10 Carson St., Toronto
Torginol (Canada) 1963 Ltd.	Windsor
Tremco Manufacturing Co. (Canada) Ltd.	220 Wicksteed Ave., Toronto
Trend Coatings Ltd.	98 Montcalm Ave., Toronto
United Finish Co. (Canada) Ltd.	Cobourg
Universal Asphalt Mastic Products Ltd.	14 Eugene St., Toronto
Vimar Paint Co.	1 Harold St., Toronto
Manitoba:	
Guertin Bros. (Paint) Ltd.	270 Assiniboine Ave., Winnipeg
International Laboratories (1957) Ltd.	490 Des Meurons St., St. Boniface
Northern Paint Company Ltd.	394 Gertrude Ave., Winnipeg
Phillips Paint Products Ltd.	306 King St., Winnipeg
Sherwin-Williams Co. of Canada, Ltd., The	110 Sutherland Ave., Winnipeg
Stephens Paints Ltd.	1530 Wellington Ave., Winnipeg
Saskatchewan:	
International Paints Canada Ltd.	Lot 14, Industrial Drive, Regina
Royston Laboratories (Canada) Ltd.	Moose Jaw
Alberta:	
Beadex Dry Wall Specialties	536-6th Ave. S.E., Calgary
Moberg Laboratories of Canada Ltd.	9925-77th Ave., Edmonton
Plastiglo Industries Ltd.	8537 Argyll Rd., Edmonton
Tower Paint and Laboratories Ltd.	16825-111th Ave., Edmonton
British Columbia:	
British America Paint Co. Ltd.	201 Belleville St., Victoria
Cabot, Samuel, Limited	838 Powell St., Vancouver
Canadian Elastileum Ltd.	Richmond
Canadian Industries Limited	Granville Island, Vancouver
Canadian Pittsburgh Industries Ltd.	1160 East Third St., North Vancouver
Cloverdale Paint and Chemicals Ltd.	6400 King George Hwy., North Surrey
Dupont of Canada Limited	New Westminster
Flecto Coatings Ltd.	Richmond
G.R. Chemicals Ltd.	450 Vernon Drive, Vancouver
General Paint Corporation of Canada Ltd.	950 Raymur Ave., Vancouver
Goodacre Manufacturing Ltd.	6369 Arbroath St., Burnaby
Henderson, Geo. C., Co. Ltd.	3955 Myrtle St., Burnaby
International Paints (Canada) Ltd.	126 Harbour Ave., North Vancouver
Isles Products Ltd.	8514 Ash St., Vancouver
Millis Paint Sales Ltd.	115 W. 4th Ave., Vancouver
Moore, Benjamin, and Co. Ltd.	7625-19th St., Burnaby
North West Paint and Chemicals Ltd.	1147 Venables St., Vancouver
Sherwin-Williams Co. of Canada Ltd.,	Derwent Way, Annacis Industrial Estate New Westminster
Walker Bros. Limited	5684 Beresford St., Burnaby

CONCEPTS AND DEFINITIONS

Census of Manufactures

General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 55 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

The reporting unit for the Census is designated as the **establishment** (see definition of "Establishment" in following section) and a return is requested from every establishment classified to a manufacturing industry. Although respondents are required to submit reports covering the calendar year, financial year reports other than the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. When an establishment is operated for only part of a year a report is required covering the period of operation.

There are four different questionnaires used in the Census of Manufactures; (a) short form (b) long form (c) head office questionnaire and (d) commodity questionnaire. The short and long forms are used to obtain principal statistics and commodities shipped from establishments classified to manufacturing industries and differ only in the amount of detail requested. The short form is a single-sheet questionnaire sent to small manufacturers generally reporting shipments of less than \$100,000; this cut-off, however, varies somewhat between industries. The head office questionnaire is generally used for company head offices and/or auxiliary units separately located from the manufacturing establishment(s), (see following notes on Head offices and auxiliary units). The Commodity questionnaire is used to survey certain establishments which are coded (on the basis of their principal activity) to industries other than manufacturing in the Standard Industrial Classification system, but which undertake some manufacturing as a subsidiary activity. This single-sheet questionnaire is designed to collect information on the quantity and value of goods of own manufacture shipped by such establishments in order to achieve full coverage of domestically manufactured commodities (see the following note under Shipments).

The results of the Census are presented in some 135 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures; (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the reports reflect the complete implementation of these changes and enable comparisons to be made back to and including 1961. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

Establishment

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. The majority of such establishments are firms but many firms have more than one establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements embodied in the following definition of the "establishment":

"The smallest unit which is a separate operating entity capable of reporting the following principal statistics:

- Materials and supplies used
- Goods purchased for resale as such
- Fuel and power consumed
- Number of employees and salaries and wages
- Man-hours worked and paid
- Inventories
- Shipments or sales."

Each establishment is required to report on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on the different activities (manufacturing, trading in goods not of own manufacture, construction by own labour

force, revenue from services, etc.) are requested to be reported separately. It should be noted that the statistics for separate activities are not completely consistent since some respondents cannot distinguish, in their records, materials, shipments and inventories relating solely to their own manufacturing activities. For example, inventory of goods purchased for re-sale may not be distinguishable from inventory of own manufactured goods. Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level and for studies or statistical measures requiring accurate coordinated data, the "total" statistics should be used.

The number of establishments represents the number of operating units that are principally engaged in the activities of the manufacturing industries to which they have been classified. These units do not necessarily represent the total number engaged in the production of a commodity mainly produced in a certain industry. Some commodities are produced as secondary products in other manufacturing and non-manufacturing industries. It should be noted that head offices and auxiliary units which are surveyed separately are not included in the establishment count, (see following notes on head offices and auxiliary units).

Head Offices and Auxiliary Units

All head offices and auxiliary units of companies classified to the manufacturing industries such as sales offices, administrative offices, warehouses, laboratories, etc. are now surveyed as part of the Census of Manufactures.

These head offices and auxiliary units are either included in an establishment report or are surveyed by means of the head office questionnaire. The former is the most common case where a single establishment firm has its executive personnel, sales office, etc. located at the site of the manufacturing plant (establishment). The special head office questionnaire is generally used where a firm, regardless of the number of establishments, has separately located offices or auxiliary units. Such offices or units do not constitute establishments within the Census of Manufactures as they do not normally generate operational revenues, but give rise only to costs of operations (mainly salaries and wages) which are automatically included in the value of shipments or sales. Although not considered as establishments, and hence, not included in the "establishment" count for an industry, the operational costs are reflected in either the "Industry" statistics (3 or 4 digit level) or the "Major group" statistics (2 digit level) according to the following rules:

(a) In the case of single establishment firms, statistics for separately located offices and units are classified to the same industry (3 or 4 digit) as the establishment;

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the firm, when all establishments are in the same industry (3 or 4 digit). When establishments of

such firms are coded (1) to different industries within a major group, (2) to industries in different major groups or (3) to industries in different divisions of the Standard Industrial Classification, then the statistics are included in the major group totals (2 digit level) in which the major part of the company's operations are classified. Although this may result in some distortion of major group statistics in the case of (2) and (3) the statistics at the industry (3 or 4 digit) level in all cases will be left free of these company-wide data.

Employees

(a) Production and related workers – Manufacturing activities

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. For those establishments reporting on the "long" form, production and related workers engaged in manufacturing activity are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. In the case of those establishments reporting on the "short" form, respondents are requested to report average annual figures. The man-hours of production and related workers in manufacturing activity represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). Data on man-hours are not collected from establishments reporting on the short form. Man-hours for these establishments are estimated on the basis of ratios derived from the 1958 census. During this census all establishments reported on the long form. In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

(b) Production and related workers – Non-manufacturing activities

Such employees include those on manufacturing establishments' payrolls engaged in activities such as construction undertaken for the use of these establishments, some outside piece-workers employed in certain industries, logging employees who are reported as part of a sawmilling establishment and any other production workers who are not engaged in manufacturing-type operations.

(c) Administrative and office employees

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers, etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the line supervisor or working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical, etc. It should be noted that prior to 1961 this category also included working owners and partners. Also included in this category are employees located at head offices or auxiliary units separately located from the establishment; these are generally included in the figures for the province in which they are located according to the rules outlined under "Head offices and auxiliary units" above.

(d) Sales and distribution workers

This category includes office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truckdrivers and their helpers, etc. It may also include some sales employees who are reported as part of a manufacturing establishment but are not working at the establishment's location. These are generally broken down by province in cases where more than 15 employees are involved in any one province. The figures exclude persons working on a commission basis who are not considered regular employees of the establishment.

(e) Total Employees

This total comprises the foregoing categories including employees located at separately located head offices and auxiliary units. The numbers of employees included under categories (b), (c) and (d) are reported in the form of annual averages and represent as closely as possible full time employment; adjustments are made when reported figures indicate the existence of part time or seasonal employment. In all the above categories, figures on employment refer to the calendar year whether or not other establishment statistics can only be reported on a fiscal year other than the calendar year.

Working Owners or Partners

These are not now included in the statistics of employees and salaries and wages. There is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each Census return. Withdrawals of working owners are defined as amounts withdrawn by owners or partners for normal living expenses excluding withdrawals for payment of income tax.

Salaries and Wages

Salaries and wages refer to gross earnings of employees before deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages,

bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives, etc.), not to purchases unless the quantities are substantially the same. **Any fuel and electricity produced by establishments for internal consumption are not included in the total cost.** Values represent laid down cost at the establishment including freight, duty, etc. Although fuel and electricity used is considered part of manufacturing activity it should be noted that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

Materials and Supplies

(a) Manufacturing activities

Figures represent quantities and laid down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. These statistics represent only commodity items or physical goods (cost of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts charged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.

(b) Non-manufacturing activities

1. Purchases for re-sale as such

Figures represent cost of materials or products purchased from others by the reporting establishment (or received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.

2. Other materials and supplies used

Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Amounts paid to outside contractors for construction and repair work are not included nor is the cost of

purchased machinery and equipment. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

Shipments

(a) General

The figures represent revenue from all production, sales, services and related activities of reporting establishments with shipments valued in Canadian dollars at the point at which the establishment relinquishes control. The unsold portion at year end of consignment shipments in Canada is treated as inventory and not as shipments but all shipments to foreign countries for which the form B13 "Customs Canada Export Entry" has been completed, are treated as shipments.

In those industries where work on principal products extends over a relatively long period, (Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair Industry) the value of production rather than the value of shipments is recorded. There are certain establishments in other industries which also operate on a basis of progress payments. For these establishments, shipments are also adjusted to work put in place on the basis of the net change in progress payments over the year.

(b) Shipments of goods of own manufacture

These figures represent shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost (book value) of any goods shipped on a rental basis.

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm, when such units are treated as separate establishments. The value of shipments are net of returned goods, discounts, returns, allowances, sales tax and excise taxes and duties, returnable containers and charges for outward transportation by common or contract carriers. Transportation or delivery expense incurred by the reporting establishment's own carriers are included.

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity

are collected by means of the Commodity questionnaire referred to earlier. Such shipments together with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

(c) Shipments of goods not of own manufacture

These figures represent the net selling value at establishment (net of discounts, returns, allowances, sales taxes and excise duties and taxes and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship such goods on a rental basis, the value of shipments represents the book value of these goods. All sales of consignment goods from other countries are included.

(d) Other revenue

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs, alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishment's own employees and for which depreciation accounts are maintained. Included also are any revenues from the sale of electricity and from any operations performed by the establishment's own employees, such as revenue from goods produced or purchased for rental (the book value of such goods are included as part of shipments of goods of own manufacture or shipments of goods not of own manufacture), servicing revenues, commissions on sales (when not included in value of sales), revenue for company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishment's own products, sale of used materials (excluding sale of used fixed assets) research and development work, etc. As mentioned previously the figures do not include non-operating revenue such as rent, dividends, interest, etc.

Inventories

(a) Manufacturing activities

Values represent the book values of manufacturing inventory owned in Canada. Inventories held for which progress payments have been received are not included. Where progress payment accounts are maintained, the change in these accounts is treated as a net adjustment to shipments. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Goods shipped abroad and held in inventory are included in shipments. Opening inventories may differ from the closing inventories of the previous year because of changes in classification, the

receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

(b) Non-manufacturing activities

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

Value Added

(a) By manufacturing activities

Figures are compiled by deducting the cost of manufacturing materials, supplies, etc. and fuel and electricity consumed from the (value of shipments of goods of own manufacture adjusted for changes in the value of inventories of finished goods and goods in process).

(b) By non-manufacturing activities

The figures are compiled by deducting the cost of goods purchased for re-sale (adjusted for changes in the value of inventories of goods pur-

chased for re-sale) and the cost of non-manufacturing materials and supplies used from the value of shipments of goods not of own manufacture, plus other revenue.

(c) By Total activities

The figures consist of value added by manufacturing activities plus value added by non-manufacturing activities. This total value added figure may, in some cases, be less than value added by manufacturing activities as a result of expenditures associated with non-manufacturing exceeding revenues from such activities or because of a decrease in inventory of goods not of own manufacture exceeding the mark-up on the sale of such goods. "Value added" is sometimes referred to as net output or net production. However, to arrive at the National Accounts concept of net production, or Gross Domestic Product at "Factor cost" it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected as part of the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, "Survey of Production".

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010650964